

## STIC-Biotech/ChemLib

180695

From: JEFFREY RUSSEL [jeffrey.russel@uspto.gov]  
Sent: Monday, February 27, 2006 4:38 PM  
To: STIC-Biotech/ChemLib  
Subject: Database Search Request, Serial Number: 10/649,378

Requester:  
JEFFREY RUSSEL (P/1654)  
Art Unit:  
GROUP ART UNIT 1654  
Employee Number:  
62785  
Office Location:  
REM 03D19  
Phone Number:  
(571)272-0969  
Mailbox Number:  
REM 3C18

Case serial number:  
10/649,378  
Class / Subclass(es):  
NA  
Earliest Priority Filing Date:  
NA  
Format preferred for results:  
Diskette  
Search Topic Information:

Please do an interference search of SEQ ID NO:250 in the U.S. patent application sequence database (pending, published, and issued). Please require any hits to have ten or fewer residues. Thank you.

Special Instructions and Other Comments:

RECEIVED  
FEB 27 2006  
STIC

\*\*\*\*\* Point of Contact.  
Searcher: \_\_\_\_\_ Alexandra Wacławiw  
Searcher Phone: \_\_\_\_\_ Technical Info Special  
Date Searcher Picked up: 3-2-06 3-2  
Date completed: \_\_\_\_\_  
Searcher Prep Time: 8  
Online Time: 6

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA# 1  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIS: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 2, 2006, 12:36:46 ; Search time 36 Seconds  
(without alignments)  
8.578 Million cell updates/sec

Title: US-10-649-378B-250  
Perfect score: 20  
Sequence: 1 FREL 4

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 322452 seqs, 77201678 residues

Total number of hits satisfying chosen parameters: 38129

Minimum DB seq length: 0  
Maximum DB seq length: 11

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 150 summaries

Database : Pending\_Patents\_AA\_New:\*

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- 2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep:\*
- 3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep:\*
- 4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*
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- 7: /cgn2\_6/ptodata/2/paa/US11\_NEW\_COMB.pep:\*
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Search completed: March 2, 2006, 12:46:38  
Job time : 37 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 2, 2006, 12:36:36 ; Search time 552 Seconds  
(without alignments)  
10.014 Million cell updates/sec

Title: US-10-649-378B-250  
Perfect score: 20  
Sequence: 1 FREL 4

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 7861189 seqs, 1381955077 residues

Total number of hits satisfying chosen parameters: 941471

Minimum DB seq length: 0  
Maximum DB seq length: 11

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 150 summaries

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- 27: /cgn2\_6/ptodata/1/paa/US097\_COMB.pep:\*

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48: /cgn2\_6/ptodata/1/paa/US604\_COMB.pep: \*  
49: /cgn2\_6/ptodata/1/paa/US605\_COMB.pep: \*  
50: /cgn2\_6/ptodata/1/paa/US606\_COMB.pep: \*  
51: /cgn2\_6/ptodata/1/paa/US607\_COMB.pep: \*

Search completed: March 2, 2006, 12:45:58  
Job time : 554 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 2, 2006, 12:46:51 ; Search time 20 Seconds  
(without alignments)  
4.000 Million cell updates/sec

Title: US-10-649-378B-250  
Perfect score: 20  
Sequence: 1 FREL 4

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 135339 seqs, 20000136 residues

Total number of hits satisfying chosen parameters: 49350

Minimum DB seq length: 0  
Maximum DB seq length: 11

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 150 summaries

Database : Published Applications\_AA\_New:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*
- 2: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result		%					
No.	Score	Query	Match	Length	DB	ID	Description
1	20	100.0	8	7	US-11-045-024-1624	Sequence 1624, Ap	
2	20	100.0	8	7	US-11-045-024-4338	Sequence 4338, Ap	
3	20	100.0	8	7	US-11-045-024-10299	Sequence 10299, A	
4	20	100.0	8	7	US-11-045-024-10329	Sequence 10329, A	
5	20	100.0	8	7	US-11-045-024-12138	Sequence 12138, A	
6	20	100.0	8	7	US-11-045-024-12157	Sequence 12157, A	
7	20	100.0	9	7	US-11-045-024-3221	Sequence 3221, Ap	
8	20	100.0	9	7	US-11-045-024-5832	Sequence 5832, Ap	
9	20	100.0	9	7	US-11-045-024-10302	Sequence 10302, A	

10	20	100.0	9	7	US-11-045-024-10338	Sequence 10338, A
11	20	100.0	9	7	US-11-045-024-12141	Sequence 12141, A
12	20	100.0	9	7	US-11-045-024-12164	Sequence 12164, A
13	20	100.0	9	7	US-11-045-024-13786	Sequence 13786, A
14	20	100.0	10	7	US-11-045-024-3292	Sequence 3292, Ap
15	20	100.0	10	7	US-11-045-024-3293	Sequence 3293, Ap
16	20	100.0	10	7	US-11-045-024-5877	Sequence 5877, Ap
17	20	100.0	10	7	US-11-045-024-10310	Sequence 10310, A
18	20	100.0	10	7	US-11-045-024-10341	Sequence 10341, A
19	20	100.0	10	7	US-11-045-024-12146	Sequence 12146, A
20	20	100.0	10	7	US-11-045-024-12168	Sequence 12168, A
21	20	100.0	11	7	US-11-045-024-2286	Sequence 2286, Ap
22	20	100.0	11	7	US-11-045-024-3374	Sequence 3374, Ap
23	20	100.0	11	7	US-11-045-024-4753	Sequence 4753, Ap
24	20	100.0	11	7	US-11-045-024-5946	Sequence 5946, Ap
25	20	100.0	11	7	US-11-045-024-10314	Sequence 10314, A
26	20	100.0	11	7	US-11-045-024-12150	Sequence 12150, A
27	20	100.0	11	7	US-11-045-024-12799	Sequence 12799, A
28	17	85.0	9	6	US-10-510-101-123	Sequence 123, App
29	16	80.0	5	6	US-10-516-083-8	Sequence 8, Appli
30	16	80.0	6	6	US-10-485-788A-233	Sequence 233, App
31	16	80.0	7	6	US-10-485-788A-234	Sequence 234, App
32	16	80.0	8	6	US-10-485-788A-235	Sequence 235, App
33	16	80.0	8	7	US-11-058-735-21	Sequence 21, Appl
34	16	80.0	8	7	US-11-045-024-4306	Sequence 4306, Ap
35	16	80.0	8	7	US-11-045-024-4307	Sequence 4307, Ap
36	16	80.0	8	7	US-11-045-024-9685	Sequence 9685, Ap
37	16	80.0	8	7	US-11-045-024-10058	Sequence 10058, A
38	16	80.0	8	7	US-11-045-024-12706	Sequence 12706, A
39	16	80.0	8	7	US-11-045-024-12764	Sequence 12764, A
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41	15	75.0	4	7	US-11-129-741-963	Sequence 963, App
42	15	75.0	5	6	US-10-925-366A-61	Sequence 61, Appl
43	15	75.0	8	6	US-10-895-064-1143	Sequence 1143, Ap
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45	15	75.0	8	7	US-11-123-290-46	Sequence 46, Appl
46	15	75.0	8	7	US-11-123-290-55	Sequence 55, Appl
47	15	75.0	8	7	US-11-066-967-2	Sequence 2, Appli
48	15	75.0	8	7	US-11-066-967-19	Sequence 19, Appl
49	15	75.0	8	7	US-11-129-741-1143	Sequence 1143, Ap
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51	15	75.0	9	7	US-11-123-290-72	Sequence 72, Appl
52	15	75.0	9	7	US-11-129-741-4218	Sequence 4218, Ap
53	15	75.0	10	7	US-11-058-727-111	Sequence 111, App
54	15	75.0	10	7	US-11-108-389-111	Sequence 111, App
55	15	75.0	10	7	US-11-123-290-62	Sequence 62, Appl
56	15	75.0	10	7	US-11-123-290-68	Sequence 68, Appl
57	15	75.0	10	7	US-11-123-290-73	Sequence 73, Appl
58	15	75.0	10	7	US-11-224-624-111	Sequence 111, App
59	15	75.0	11	6	US-10-537-002-124	Sequence 124, App
60	15	75.0	11	7	US-11-123-290-69	Sequence 69, Appl
61	15	75.0	11	7	US-11-123-290-74	Sequence 74, Appl
62	14	70.0	7	6	US-10-895-064-1431	Sequence 1431, Ap
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88	14	70.0	8	7	US-11-045-024-11408	Sequence 11408, A
89	14	70.0	8	7	US-11-033-039-387	Sequence 387, App
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91	14	70.0	8	7	US-11-131-425A-84	Sequence 84, Appl
92	14	70.0	9	6	US-10-981-873-17	Sequence 17, Appl
93	14	70.0	9	6	US-10-859-643-372	Sequence 372, App
94	14	70.0	9	6	US-10-859-643-380	Sequence 380, App
95	14	70.0	9	6	US-10-895-064-1363	Sequence 1363, Ap
96	14	70.0	9	6	US-10-989-767A-145	Sequence 145, App
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128	14	70.0	9	7	US-11-045-024-11449	Sequence 11449, A
129	14	70.0	9	7	US-11-045-024-11547	Sequence 11547, A
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131	14	70.0	9	7	US-11-045-024-13670	Sequence 13670, A
132	14	70.0	9	7	US-11-045-024-14150	Sequence 14150, A
133	14	70.0	9	7	US-11-033-039-827	Sequence 827, App
134	14	70.0	9	7	US-11-233-796-3	Sequence 3, Appli
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137	14	70.0	9	7	US-11-018-868-98	Sequence 98, Appl
138	14	70.0	9	7	US-11-018-868-109	Sequence 109, App
139	14	70.0	9	7	US-11-129-741-1363	Sequence 1363, Ap
140	14	70.0	9	7	US-11-222-745-19	Sequence 19, Appl
141	14	70.0	10	6	US-10-859-643-73	Sequence 73, Appl
142	14	70.0	10	6	US-10-859-643-506	Sequence 506, App
143	14	70.0	10	6	US-10-859-643-603	Sequence 603, App
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145	14	70.0	10	6	US-10-989-767A-543	Sequence 543, App
146	14	70.0	10	7	US-11-097-864-73	Sequence 73, Appl
147	14	70.0	10	7	US-11-097-864-506	Sequence 506, App
148	14	70.0	10	7	US-11-097-864-603	Sequence 603, App
149	14	70.0	10	7	US-11-097-912-73	Sequence 73, Appl
150	14	70.0	10	7	US-11-097-912-506	Sequence 506, App

#### ALIGNMENTS

##### RESULT 1

US-11-045-024-1624

; Sequence 1624, Application US/11045024

; Publication No. US20050271676A1

; GENERAL INFORMATION:

; APPLICANT: Sette, Alessandro

; APPLICANT: Sidney, John

; APPLICANT: Southwood, Scott

; APPLICANT: Livingston, Brian

; APPLICANT: Chesnut, Robert

; APPLICANT: Baker, Denise Marie

; APPLICANT: Celis, Esteban

; APPLICANT: Kubo, Ralph

; APPLICANT: Grey, Howard M.

; APPLICANT: Epimmune Inc.

; TITLE OF INVENTION: Inducing Cellular Responses to Human Immunodeficiency

; TITLE OF INVENTION: Virus-1 Using Peptide and Nucleic Acid Compositions

; FILE REFERENCE: 2060.0040007

; CURRENT APPLICATION NUMBER: US/11/045,024

; CURRENT FILING DATE: 2005-01-28

; PRIOR APPLICATION NUMBER: US 09/412,863

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: US 08/027,146

; PRIOR FILING DATE: 1993-03-05

; PRIOR APPLICATION NUMBER: US 08/073,205



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; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/103,396
; PRIOR FILING DATE: 1993-08-06
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/159,339
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/347,610
; PRIOR FILING DATE: 1994-12-01
; NUMBER OF SEQ ID NOS: 14528
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1624
;   LENGTH: 8
;   TYPE: PRT
;   ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
US-11-045-024-1624
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Query Match          100.0%;  Score 20;  DB 7;  Length 8;
Best Local Similarity 100.0%;  Pred. No. 9.9e+04;
Matches      4;  Conservative    0;  Mismatches    0;  Indels      0;  Gaps      0;
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Qy      1 FREL 4
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Db      5 FREL 8
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# RESULT 28

US-10-510-101-123

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; Sequence 123, Application US/10510101
; Publication No. US20060018915A1
; GENERAL INFORMATION:
; APPLICANT: Epimmune Inc.
; APPLICANT: Ishioka, Glenn
; APPLICANT: Fikes, John
; APPLICANT: Tangri, Shabnam
; APPLICANT: Sette, Alessandro
; TITLE OF INVENTION: Heteroclitic Analogs and Related Methods
; FILE REFERENCE: 2060.009PC05
; CURRENT APPLICATION NUMBER: US/10/510,101
; CURRENT FILING DATE: 2004-10-05
; PRIOR APPLICATION NUMBER: US 60/413,471
; PRIOR FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 10/116,118
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
;   LENGTH: 9
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic peptide derived from Homo sapiens Her2/neu
US-10-510-101-123
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Query Match 85.0%; Score 17; DB 6; Length 9;  
Best Local Similarity 75.0%; Pred. No. 9.9e+04;  
Matches 3; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FREL 4  
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Db 2 YREL 5

Search completed: March 2, 2006, 12:49:52  
Job time : 21 secs

GenCore version 5.1.7  
 Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 2, 2006, 12:46:16 ; Search time 161 Seconds  
 (without alignments)  
 10.381 Million cell updates/sec

Title: US-10-649-378B-250  
 Perfect score: 20  
 Sequence: 1 FREL 4

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 251271

Minimum DB seq length: 0  
 Maximum DB seq length: 11

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 150 summaries

Database : Published\_Applications\_AA\_Main:\*

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- 6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	20	100.0	4	5	US-10-649-378A-337	Sequence 337, App
3	20	100.0	7	4	US-10-001-546-43	Sequence 43, Appl
4	20	100.0	8	3	US-09-797-410-5	Sequence 5, Appli
5	20	100.0	8	3	US-09-017-743C-98	Sequence 98, Appl
6	20	100.0	8	4	US-10-117-937-349	Sequence 349, App
7	20	100.0	8	4	US-10-149-138-1566	Sequence 1566, Ap
8	20	100.0	8	4	US-10-149-138-1616	Sequence 1616, Ap
9	20	100.0	8	4	US-10-149-138-1627	Sequence 1627, Ap
10	20	100.0	8	4	US-10-149-138-2282	Sequence 2282, Ap
11	20	100.0	8	4	US-10-182-252A-1315	Sequence 1315, Ap

12	20	100.0	8	4	US-10-182-252A-1347	Sequence 1347, Ap
13	20	100.0	8	4	US-10-362-263-5	Sequence 5, Appli
14	20	100.0	8	4	US-10-149-138-1566	Sequence 1566, Ap
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18	20	100.0	8	6	US-11-067-064-349	Sequence 349, App
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22	20	100.0	8	6	US-11-051-411-1049	Sequence 1049, Ap
23	20	100.0	8	6	US-11-067-159-349	Sequence 349, App
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25	20	100.0	9	3	US-09-277-064-35	Sequence 35, Appl
26	20	100.0	9	4	US-10-001-546-42	Sequence 42, Appl
27	20	100.0	9	4	US-10-133-210-48	Sequence 48, Appl
28	20	100.0	9	4	US-10-133-210-82	Sequence 82, Appl
29	20	100.0	9	4	US-10-133-210-122	Sequence 122, App
30	20	100.0	9	4	US-10-239-313A-116	Sequence 116, App
31	20	100.0	9	4	US-10-200-708-667	Sequence 667, App
32	20	100.0	9	4	US-10-117-937-350	Sequence 350, App
33	20	100.0	9	4	US-10-117-937-351	Sequence 351, App
34	20	100.0	9	4	US-10-117-937-353	Sequence 353, App
35	20	100.0	9	4	US-10-442-909-58	Sequence 58, Appl
36	20	100.0	9	4	US-10-442-909-59	Sequence 59, Appl
37	20	100.0	9	4	US-10-149-138-1324	Sequence 1324, Ap
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39	20	100.0	9	4	US-10-149-138-3693	Sequence 3693, Ap
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41	20	100.0	9	4	US-10-149-138-1324	Sequence 1324, Ap
42	20	100.0	9	4	US-10-149-138-2999	Sequence 2999, Ap
43	20	100.0	9	4	US-10-149-138-3693	Sequence 3693, Ap
44	20	100.0	9	4	US-10-149-138-4102	Sequence 4102, Ap
45	20	100.0	9	6	US-11-067-064-350	Sequence 350, App
46	20	100.0	9	6	US-11-067-064-351	Sequence 351, App
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48	20	100.0	9	6	US-11-051-411-71	Sequence 71, Appl
49	20	100.0	9	6	US-11-051-411-311	Sequence 311, App
50	20	100.0	9	6	US-11-051-411-429	Sequence 429, App
51	20	100.0	9	6	US-11-051-411-689	Sequence 689, App
52	20	100.0	9	6	US-11-051-411-1047	Sequence 1047, Ap
53	20	100.0	9	6	US-11-051-411-1183	Sequence 1183, Ap
54	20	100.0	9	6	US-11-067-159-350	Sequence 350, App
55	20	100.0	9	6	US-11-067-159-351	Sequence 351, App
56	20	100.0	9	6	US-11-067-159-353	Sequence 353, App
57	20	100.0	10	3	US-09-229-173-43	Sequence 43, Appl
58	20	100.0	10	4	US-10-001-546-41	Sequence 41, Appl
59	20	100.0	10	4	US-10-200-708-48	Sequence 48, Appl
60	20	100.0	10	4	US-10-200-708-91	Sequence 91, Appl
61	20	100.0	10	4	US-10-200-708-98	Sequence 98, Appl
62	20	100.0	10	4	US-10-200-708-148	Sequence 148, App
63	20	100.0	10	4	US-10-200-708-149	Sequence 149, App
64	20	100.0	10	4	US-10-200-708-173	Sequence 173, App
65	20	100.0	10	4	US-10-200-708-198	Sequence 198, App
66	20	100.0	10	4	US-10-200-708-668	Sequence 668, App
67	20	100.0	10	4	US-10-117-937-352	Sequence 352, App
68	20	100.0	10	4	US-10-442-909-3	Sequence 3, Appli

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75	20	100.0	10	6	US-11-051-411-431	Sequence 431, App
76	20	100.0	10	6	US-11-051-411-1039	Sequence 1039, Ap
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78	20	100.0	11	4	US-10-442-909-60	Sequence 60, Appl
79	20	100.0	11	4	US-10-442-909-61	Sequence 61, Appl
80	20	100.0	11	4	US-10-149-138-1567	Sequence 1567, Ap
81	20	100.0	11	4	US-10-149-138-1628	Sequence 1628, Ap
82	20	100.0	11	4	US-10-149-138-1770	Sequence 1770, Ap
83	20	100.0	11	4	US-10-149-138-2283	Sequence 2283, Ap
84	20	100.0	11	4	US-10-149-138-3000	Sequence 3000, Ap
85	20	100.0	11	4	US-10-149-138-3532	Sequence 3532, Ap
86	20	100.0	11	4	US-10-149-138-4620	Sequence 4620, Ap
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88	20	100.0	11	4	US-10-149-138-1628	Sequence 1628, Ap
89	20	100.0	11	4	US-10-149-138-1770	Sequence 1770, Ap
90	20	100.0	11	4	US-10-149-138-2283	Sequence 2283, Ap
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92	20	100.0	11	4	US-10-149-138-3532	Sequence 3532, Ap
93	20	100.0	11	4	US-10-149-138-4620	Sequence 4620, Ap
94	20	100.0	11	6	US-11-051-411-312	Sequence 312, App
95	20	100.0	11	6	US-11-051-411-435	Sequence 435, App
96	20	100.0	11	6	US-11-051-411-796	Sequence 796, App
97	20	100.0	11	6	US-11-051-411-1048	Sequence 1048, Ap
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99	18	90.0	4	5	US-10-649-378A-334	Sequence 334, App
100	18	90.0	9	3	US-09-981-876-273	Sequence 273, App
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105	17	85.0	4	5	US-10-649-378A-353	Sequence 353, App
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110	17	85.0	8	4	US-10-440-435-27	Sequence 27, Appl
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112	17	85.0	8	4	US-10-777-053-783	Sequence 783, App
113	17	85.0	8	4	US-10-837-217-192	Sequence 192, App
114	17	85.0	8	4	US-10-837-217-783	Sequence 783, App
115	17	85.0	9	3	US-09-909-460-103	Sequence 103, App
116	17	85.0	9	3	US-09-872-836-103	Sequence 103, App
117	17	85.0	9	4	US-10-015-535-37	Sequence 37, Appl
118	17	85.0	9	4	US-10-128-711-67	Sequence 67, Appl
119	17	85.0	9	4	US-10-133-210-281	Sequence 281, App
120	17	85.0	9	4	US-10-057-475B-10963	Sequence 10963, A
121	17	85.0	9	4	US-10-154-884B-10963	Sequence 10963, A
122	17	85.0	9	4	US-10-149-138-4323	Sequence 4323, Ap
123	17	85.0	9	4	US-10-398-104-4	Sequence 4, Appli
124	17	85.0	9	4	US-10-367-580-122	Sequence 122, App
125	17	85.0	9	4	US-10-367-593-122	Sequence 122, App

126	17	85.0	9	4	US-10-367-594-122	Sequence 122, App
127	17	85.0	9	4	US-10-367-654-122	Sequence 122, App
128	17	85.0	9	4	US-10-367-658-122	Sequence 122, App
129	17	85.0	9	4	US-10-367-668-122	Sequence 122, App
130	17	85.0	9	4	US-10-149-138-4323	Sequence 4323, App
131	17	85.0	9	4	US-10-367-674-122	Sequence 122, App
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133	17	85.0	9	4	US-10-837-217-397	Sequence 397, App
134	17	85.0	9	4	US-10-764-390-236	Sequence 236, App
135	17	85.0	9	5	US-10-758-970-103	Sequence 103, App
136	17	85.0	9	5	US-10-705-459-262	Sequence 262, App
137	17	85.0	9	5	US-10-888-348-47	Sequence 47, Appl
138	17	85.0	9	5	US-10-888-348-48	Sequence 48, Appl
139	17	85.0	9	5	US-10-888-348-87	Sequence 87, Appl
140	17	85.0	9	5	US-10-888-348-161	Sequence 161, App
141	17	85.0	9	5	US-10-888-348-164	Sequence 164, App
142	17	85.0	9	5	US-10-888-348-165	Sequence 165, App
143	17	85.0	9	5	US-10-751-845-57	Sequence 57, Appl
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145	17	85.0	9	5	US-10-751-845-89	Sequence 89, Appl
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147	17	85.0	9	5	US-10-820-067A-101	Sequence 101, App
148	17	85.0	10	4	US-10-239-313A-291	Sequence 291, App
149	17	85.0	10	4	US-10-794-899-87	Sequence 87, Appl
150	17	85.0	10	5	US-10-478-451-9	Sequence 9, Appli

#### ALIGNMENTS

#### RESULT 1

US-10-649-378A-250

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; Sequence 250, Application US/10649378A
; Publication No. US20040254120A1
; GENERAL INFORMATION:
; APPLICANT: FOGELMAN, ALAN M.
; APPLICANT: ANANTHARAMAIAH, GATTADAHALLI M.
; APPLICANT: NAVAB, MOHAMAD
; TITLE OF INVENTION: ORALLY ADMINISTERED SMALL PEPTIDES SYNERGIZE STATIN
ACTIVITY
; FILE REFERENCE: 407T-911270US
; CURRENT APPLICATION NUMBER: US/10/649,378A
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: US10/423,830
; PRIOR FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: US10/273,386
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US10/187,215
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US09/896,841
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US09/645,454
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US60/494,449
; PRIOR FILING DATE: 2003-08-11
; NUMBER OF SEQ ID NOS: 464
; SOFTWARE: PatentIn version 3.3

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; SEQ ID NO 250  
; LENGTH: 4  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be  
protected or  
; OTHER INFORMATION: unprotected D or L form.  
US-10-649-378A-250

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 1.7e+06;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FREL 4  
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Db 1 FREL 4

RESULT 3

US-10-001-546-43

; Sequence 43, Application US/10001546  
; Publication No. US20030027766A1  
; GENERAL INFORMATION:  
; APPLICANT: IOANNIDES, CONSTANTIN G.  
; APPLICANT: FISK, BRYAN A.  
; APPLICANT: IOANNIDES, MARIA G.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING  
; TITLE OF INVENTION: T-LYMPHOCYTES  
; FILE REFERENCE: UTSC:390USC2  
; CURRENT APPLICATION NUMBER: US/10/001,546  
; CURRENT FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: 08/403,459  
; PRIOR FILING DATE: 1995-03-14  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 43  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-10-001-546-43

Query Match 100.0%; Score 20; DB 4; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.7e+06;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FREL 4  
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Db 2 FREL 5

Search completed: March 2, 2006, 12:49:26  
Job time : 163 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 2, 2006, 12:35:11 ; Search time 23 Seconds  
(without alignments)  
14.378 Million cell updates/sec

Title: US-10-649-378B-250  
Perfect score: 20  
Sequence: 1 FREL 4

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 143663

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 150 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	%		DB	ID	Description
		Query Match	Length			
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2	20	100.0	8	1	US-08-173-510B-21	Sequence 21, Appl
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4	20	100.0	8	1	US-08-450-497-21	Sequence 21, Appl
5	20	100.0	8	2	US-08-450-482B-21	Sequence 21, Appl
6	20	100.0	8	2	US-08-151-064D-21	Sequence 21, Appl
7	20	100.0	9	1	US-08-338-634-25	Sequence 25, Appl
8	20	100.0	9	2	US-08-159-339A-540	Sequence 540, App
9	20	100.0	9	2	US-08-403-459-42	Sequence 42, Appl
10	20	100.0	9	4	PCT-US95-16415-35	Sequence 35, Appl
11	20	100.0	10	1	US-08-537-400-33	Sequence 33, Appl



12	20	100.0	10	2	US-08-159-339A-547	Sequence 547, App
13	20	100.0	10	2	US-08-403-459-41	Sequence 41, Appl
14	18	90.0	7	1	US-08-962-284-11	Sequence 11, Appl
15	18	90.0	9	2	US-09-148-545-273	Sequence 273, App
16	18	90.0	9	2	US-09-621-011-273	Sequence 273, App
17	18	90.0	10	2	US-09-211-715-197	Sequence 197, App
18	17	85.0	7	1	US-08-719-758-19	Sequence 19, Appl
19	17	85.0	7	2	US-09-119-827-19	Sequence 19, Appl
20	17	85.0	8	2	US-09-177-249-104	Sequence 104, App
21	17	85.0	8	2	US-08-817-832B-27	Sequence 27, Appl
22	17	85.0	8	2	US-09-812-283-104	Sequence 104, App
23	17	85.0	9	1	US-08-787-547-103	Sequence 103, App
24	17	85.0	9	2	US-08-159-339A-246	Sequence 246, App
25	17	85.0	9	2	US-08-159-339A-564	Sequence 564, App
26	17	85.0	9	2	US-08-464-496-9	Sequence 9, Appli
27	17	85.0	9	2	US-08-197-484-67	Sequence 67, Appl
28	17	85.0	9	2	US-09-743-467-1	Sequence 1, Appli
29	17	85.0	9	4	PCT-US92-07218-9	Sequence 9, Appli
30	17	85.0	9	4	PCT-US95-02121-67	Sequence 67, Appl
31	17	85.0	10	2	US-08-840-006-3	Sequence 3, Appli
32	17	85.0	10	2	US-08-464-496-6	Sequence 6, Appli
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34	17	85.0	10	4	PCT-US92-07218-5	Sequence 5, Appli
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56	16	80.0	8	1	US-08-669-284B-29	Sequence 29, Appl
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58	16	80.0	8	2	US-09-239-043D-999	Sequence 999, App
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79	16	80.0	9	2	US-09-861-966-156	Sequence 156, App
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82	16	80.0	9	2	US-09-239-043D-1218	Sequence 1218, Ap
83	16	80.0	9	2	US-09-239-043D-1414	Sequence 1414, Ap
84	16	80.0	9	2	US-09-239-043D-1784	Sequence 1784, Ap
85	16	80.0	9	2	US-09-239-043D-2053	Sequence 2053, Ap
86	16	80.0	9	2	US-09-239-043D-2379	Sequence 2379, Ap
87	16	80.0	9	2	US-09-676-475A-57	Sequence 57, Appl
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91	16	80.0	9	2	US-09-919-048-156	Sequence 156, App
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141	15	75.0	9	1	US-08-215-805A-41	Sequence 41, Appl
142	15	75.0	9	1	US-08-486-057B-32	Sequence 32, Appl
143	15	75.0	9	1	US-08-615-181-43	Sequence 43, Appl
144	15	75.0	9	1	US-08-789-588-32	Sequence 32, Appl
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146	15	75.0	9	2	US-08-159-339A-395	Sequence 395, App
147	15	75.0	9	2	US-08-842-079-12	Sequence 12, Appl.
148	15	75.0	9	2	US-09-518-046-41	Sequence 41, Appl
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150	15	75.0	9	2	US-09-638-857-12	Sequence 12, Appl

#### ALIGNMENTS

#### RESULT 1

US-08-403-459-43

; Sequence 43, Application US/08403459

; Patent No. 6514942

; GENERAL INFORMATION:

; APPLICANT: Ioannides, Constantin G.

; APPLICANT: Fisk, Bryan A.

; APPLICANT: Ioannides, Maria G.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING

; TITLE OF INVENTION: T-LYMPHOCYTES

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Arnold, White & Durkee

; STREET: P.O. Box 4433

; CITY: Houston

; STATE: Texas

; COUNTRY: United States of America

; ZIP: 77210

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/403,459

; FILING DATE: Concurrently Herewith

; CLASSIFICATION: 514

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; ATTORNEY/AGENT INFORMATION:
;   NAME:  Kitchell, Barbara S.
;   REGISTRATION NUMBER:  33,928
;   REFERENCE/DOCKET NUMBER:  UTSC:390/KIT
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;   TELEFAX:  (713) 789-2679
;   TELEX:  79-0924
; INFORMATION FOR SEQ ID NO:  43:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  7 amino acids
;     TYPE:  amino acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  peptide
US-08-403-459-43

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Best Local Similarity 100.0%;  Pred. No. 4.6e+05;
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# RESULT 36

US-08-685-589A-2

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; Sequence 2, Application US/08685589A
; Patent No. 5916872
; GENERAL INFORMATION:
;   APPLICANT:  Chang, Conway
;   APPLICANT:  Gu, Leo
;   APPLICANT:  Chen, Jie
;   TITLE OF INVENTION:  CYCLIC PEPTIDES HAVING BROAD
;   TITLE OF INVENTION:  SPECTRUM ANTIMICROBIAL ACTIVITY
;   NUMBER OF SEQUENCES:  222
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Pennie & Edmonds LLP
;     STREET:  1155 Avenue of the Americas
;     CITY:  New York
;     STATE:  New York
;     COUNTRY:  USA
;     ZIP:  10036
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/685,589A
;     FILING DATE:  24-JUL-1996
;     CLASSIFICATION:  530
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:
;     FILING DATE:

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; ATTORNEY/AGENT INFORMATION:
;   NAME: Coruzzi, Laura A.
;   REGISTRATION NUMBER: 30,742
;   REFERENCE/DOCKET NUMBER: 8067-026-999
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 212-790-9090
;   TELEFAX: 212-869-9741
;   TELEX: 66141
; INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 4 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: unknown
;     TOPOLOGY: No. 5916872 Relevant
;   MOLECULE TYPE: peptide
;   FEATURE:
;     NAME/KEY: Peptide
;     LOCATION: 1..4
;     OTHER INFORMATION: /product= "Beta-turn"
US-08-685-589A-2

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Query Match          80.0%; Score 16; DB 1; Length 4;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches      3; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

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Qy      1 FRE 3
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Db      2 FRE 4

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Search completed: March 2, 2006, 12:36:31
Job time : 25 secs

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